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FIG. 1**A.****Human BNP2:****Nucleotide sequence:**

atggatcccagacagcaccttcccgggcgtcctgctcctgctcttcttgcacatggttcttctgggaggtcgttccca
cccgtgggcagccccgggtcagcctcggacttggaacgtccgggttacaggagcagcgcaaccatttgcagggcaaac
tgtcggagctgcaggtggagcagacatccctggagccccctcaggagagccccgtcccacaggtgtctggaagtccgg
gaggtagccaccgaggcatccgtgggcaccgcaaaatggctctctacacctgcgggcaccacgaagcccaagatggt
gcaagggtctggctgcttgggaggaagatggaccggatcagctcctcagtggcctgggctgcaaaggttaagcacc
tgccacccggccgcttccccattccagtgtgtgacactgttagagtcacttgggggttgtgtctctgggaaccac
actcttga (SEQ ID NO:5)

Amino acid sequence:

MDPQTAPSRALLLLFLHLAFLGGRSHPLGSPGSASDLETSGLQEQRNHLQKLS
EQVEQTSLEPLQESPRPTGVWKSREVATEGIRGHRKMLVYTLRAPRSPKMOVQSG
CFGRKMDRISSSSGLGCKGKHPLPPRPPSPIPVCDTVRVTLGFVVSGNHTL (SEQ
ID NO:3)

GKHPLPPRPPSPIPVCDTVRVTLGFVVSGNHTL (SEQ ID NO:1)

B.**DOG BNP-2****Nucleotide sequence:**

atggagccctgcgcagcgtgccccgggccctcctgctcctcctgttcttgcacctgtcgcactcggaggccgccccca
cccgtgggcggccgcagccccacctcggagcctcggagcctcggagcctcggggttggggccgtgcaggagctgc
tgggccgtctgaaggacgcagttcagagctgcaggcagagcagttggccctggaaccctgcaccggagccacagcccc
gcagaagccccggaggccggggaggaacgccccgtgggggtccttgcacccatgacagtgtcctccaggccctgagaag
actacgcagccccaagatgatgcacaagtcagggtgcttggccggaggctggaccgatcggtccctcagtggcctgg
gctgcaatggttaagccgctccctgccaccttggtccccctccccagccccctgggttcgacccttgaacccctctg
ggttgtgtctcgggggatcacactctga

Amino acid sequence:

MEPCAALPRALLLLFLHLSPLGGRPHPLGGRSPTSEASEASEASGLWAVQELLGR
LKDAVSELQAEQLALEPLHRSHSPA EAP EAGEERPVGVLAPHDSVLQALRRLRSP
KMMHKSGCFGRRLDRIGSLSGLCNGKPPCHLGSPSPAPWVRPLEPLLGLLSRGI
TL

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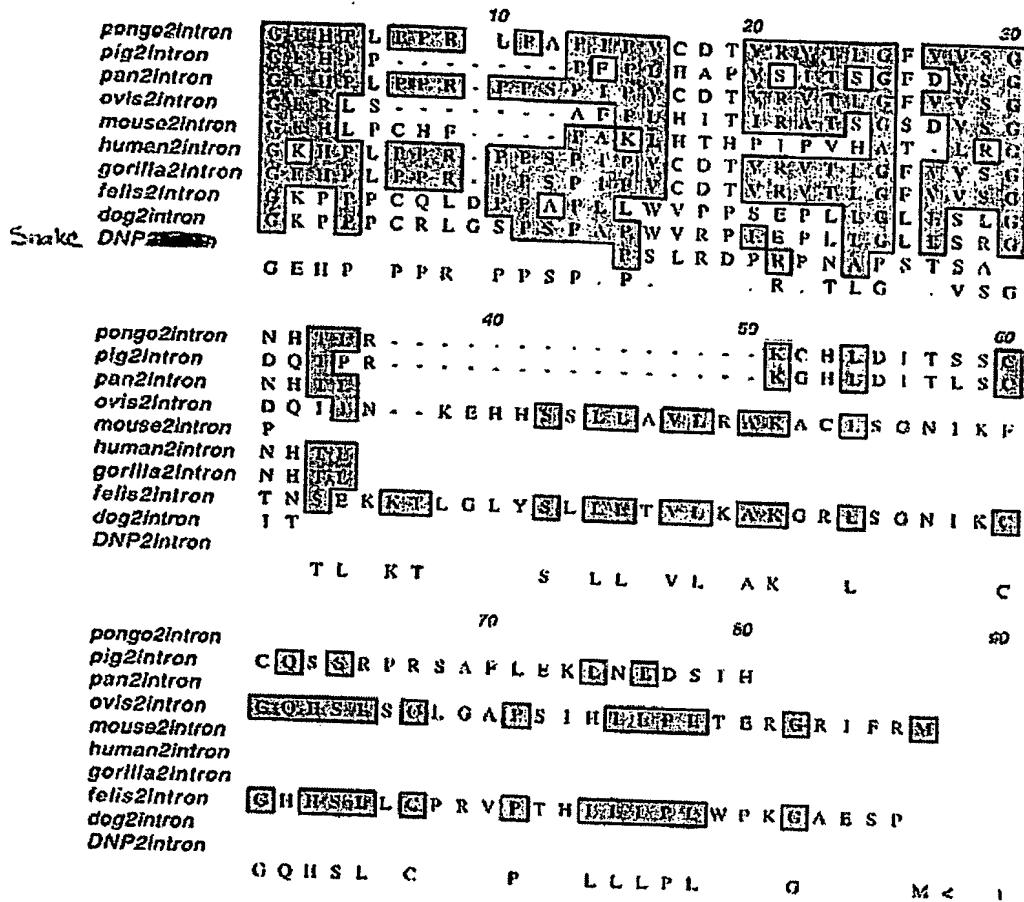
FIG. 2**Human BNP-3****Nucleotide sequence:**

atggatccccagacagcaccttcccgggcgctcctgctcctgctcttcttgcacatcggcttctctgggaggtcgttcca
cccgtgggcagccccgggtcagcctcggacttggaacgtccgggttacaggagcagcgcaaccatttcagggcaaac
tgtcggagctgcaggtggagcagacatccctggagccctccaggagagccccgtcccacaggtgtctggaagtcccgg
gaggtagccaccgagggcatccgtgggcaccgcaaatggtcctctacaccctgcgggcaccacgaagcccaagatggt
gcaagggtctggctgctttgggaggaagatggaccggatcagctcctccagtggcctgggctgcaaagtggcagaaaag
agaaccaaacatttctcctggttctcttaa (SEQ ID NO:6)

Amino acid sequence:

MDPQTAPSRALLLLFLHLAFLGGRSHPLGSPGSASDLETSGLQEQRNHLQGKLSE
LQVEQTSLEPLQESPRPTGVWKSREVATEGIRGHRKMVLYTLRAPRSPKMVOGSG
CFGRKMDRISSSSGLGCKVVOKENQTFPPGFL (SEQ ID NO:4)

VVQKENQTFPPGFL (SEQ ID NO:2)



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FIG. 4

BNP

SPKMOVQSGGCFGRKMDRISSSSGLGCKVLRRH (SEQ ID NO:16)

DNP

EVKYDPCFGHKIDRINHVSNLGCPSLRDPRPNAPSTSADNP (SEQ ID NO:17)

ANP

SLRRSSCFGGRMDRIGAQSGLGCNSFRY (SEQ ID NO:18)

CNP

GLSKGCFGLKLDRI GSM SGLGC (SEQ ID NO:19)